

Serial No. 10/714,992

IN THE SPECIFICATION

Page 1, lines 7-24 have been amended as follows:

Referring to Figure 10, a conventional blowtorch 90 includes a reservoir 96 and a valve. The valve includes a housing 91 and a plunger 94. The housing 91 includes a chamber 97, an inlet 92 and an outlet 93. The chamber 97 includes a conical portion through which the inlet 92 is communicated with the outlet 93. The plunger 94 is installed in the chamber 97 in a movable manner. The plunger 94 includes a conical portion for insertion into the conical portion of the chamber 97. The flow rate of gas is determined by the position of the conical portion of the plunger 94 relative to the conical portion of the chamber 97. It is intended that the communication between the inlet 92 and the outlet 93 be interrupted by ~~means of~~ the conical portion of the plunger 94 when the conical portion of plunger 94 is completely inserted in the conical portion of the chamber 97. To this end, the conical portion of the plunger 94 must be shaped in perfect compliance with the conical portion of the chamber 97. This is, however, difficult in reality. In case the conical portion of the plunger 94 is not shaped in perfect compliance with the conical portion of the chamber 97, the flow of the gas cannot be completely shut off, and this is dangerous.

Page 1, line 26 through page 2, line 1 have been amended as follows:

The present invention is therefore intended to obviate or at least alleviate the problems encountered in the prior art.

Page 2, lines 14-16 have been amended as follows:

Other ~~objects~~ objectives, advantages and novel features of the invention will become more apparent from the following detailed description in conjunction with the attached drawings.

Page 3, lines 3-4 have been amended as follows:

Figure 4 is an exploded view of the valve of Figure ~~[[2]]~~ 3 and shows a housing of the valve in a cutaway manner.

Page 3, line 17 has been amended as follows:

Figure 9 is another cross-sectional view of the blowtorch of Figure ~~[[5]]~~ 8.

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Page 4, lines 6-17 have been amended as follows:

The housing 21 includes an inlet 22 communicated with the reservoir 10, a first chamber 26 communicated with the inlet 22, a channel 27 communicated with the first chamber 26, a second chamber 25 communicated with the channel 27 and an outlet 28 communicated with the second chamber 25. The first chamber 26 includes a wide portion 29 and a narrow portion 30, thus forming an annular shoulder 31 between the wide portion 29 and the narrow portion 30. The inlet 22 leads to the ~~large~~ wide portion 29 of the first chamber 26. From the narrow portion 30 of the first chamber 26 leads the channel 27. A thread (not numbered) is formed on the wall of the large portion 29 of the first chamber 26. As shown in Figures 7-9, a thread 54 is formed on the wall of the second chamber 25.

Page 5, line 24, through page 6, line 2 have been amended as follows:

In the position shown in Figure 5, the inclined pusher 24 does not contact the narrow portion of the plunger 23. The annular seal 38 is forced against the annular shoulder 31 by ~~means of~~ the spring 32 so as to block the communication between the wide portion 29 and the narrow portion 30 of the first chamber 26. The valve 20 is in the blocking mode.

Page 6, lines 20-23 have been amended as follows:

Referring to Figure 7, the plunger 45 and the driver 41 are driven into the second chamber 25 by ~~means of~~ rotating the driver 41 relative to the housing 21 as the thread 49 is engaged with the thread 54. The conical end 46 of the plunger 45 is aligned with the outlet 28.

Page 7, lines 8-14 have been amended as follows:

The plunger 45 and the driver 41 are made separately and connected with each other so that relative rotation of each other is allowed. Thus, in case the second chamber 25 is not aligned perfectly with the outlet 28, or in the case the conical end 46 of the plunger 45 is not made perfectly compliant with the outlet 28, the plunger 45 automatically rotates relative to the driver 41 to ensure the conical end 46 thereof adequately ~~[[seal]]~~ seals the outlet 28.

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Page 7, lines 16-20 have been amended as follows:

A handle device 40 is provided for driving the pushers 24 and 41. The handle device 40 includes an external button 43 and an internal button 44 for driving the pusher 24. The handle device 40 includes a knob ~~[[43]]~~ 42 for driving the driver 41. The handle device 40 will not be described in detail for not being the spirit of the present invention.